

ELE 298

Seminar and Project in Electrical Engineering Technology

Prerequisites: ETR 250

Course Description:

ELE 298 Seminar and Project in Electrical Engineering Requires completion of a project or research report related to the student's occupational objectives and a study of approaches to the selection and pursuit of career opportunities in the field. Lecture 3 hours per week.

Semester Credits: 3 hours **Lecture Hours:** 3 hours **Lab/Recitation Hours:** 0 lab hours

Course Outcomes

At the completion of this course, the student should be able to:

1. Apply theory gained in previous courses to practical situations.
2. Review and recite material to prepare for professional credentialing.
3. Demonstrate proficiency and teamwork skills to accomplish a task or project.

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Required Materials:

1. Scientific Calculator
2. Safety Glasses. Safety glasses must be worn in the laboratory when constructing circuits or taking measurements.
3. Personal soldering equipment and hand tools.
4. OrCad PSpice 9.1 Software.
5. EagleCad Circuit Board design Software

These will be discussed in the first class meeting.

Textbook:

To be determined after class starts.

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Course Content (Tentative):

1. Course Introduction
2. Discuss project options
3. Discuss certification options
4. Assignment of Projects
5. Presentation of Projects
6. Peer Review of Projects

Notes to Instructors

1. Suggested Grading Scheme:
 - Scheduled Tests 60%
 - Labs and Homework 20%
 - Comprehensive Final Exam 20%
2. Suggested Grading Scale:
 - A = 91 – 100
 - B = 81 – 90
 - C = 71 – 80
 - D = 60 – 70
 - F = below 60
3. Recommended lab materials, sample tests and supplemental handouts are available from the program head.
4. Instructors should notify the program head at least a day in advance for any special accommodations or materials that will be needed for class.

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